

**Table 10a. U.S. Electricity Supply and Demand: Base Case**  
(Billion Kilowatthours)

	2004				2005				2006				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2004	2005	2006
Net Electricity Generation															
Electric Power Sector <sup>a</sup>															
Coal.....	<b>490.0</b>	<b>461.4</b>	<b>518.1</b>	<b>484.5</b>	<b>491.6</b>	<i>454.1</i>	<i>536.4</i>	<i>494.2</i>	<i>497.6</i>	<i>465.5</i>	<i>547.3</i>	<i>507.7</i>	<b>1954.0</b>	<i>1976.3</i>	<i>2018.1</i>
Petroleum.....	<b>31.8</b>	<b>28.1</b>	<b>29.9</b>	<b>22.7</b>	<b>25.6</b>	<i>26.4</i>	<i>38.7</i>	<i>32.3</i>	<i>35.0</i>	<i>27.0</i>	<i>36.9</i>	<i>29.4</i>	<b>112.5</b>	<i>123.0</i>	<i>128.3</i>
Natural Gas.....	<b>125.8</b>	<b>156.4</b>	<b>200.4</b>	<b>136.0</b>	<b>129.5</b>	<i>169.8</i>	<i>228.6</i>	<i>149.5</i>	<i>142.8</i>	<i>166.8</i>	<i>226.0</i>	<i>152.3</i>	<b>618.6</b>	<i>677.4</i>	<i>687.9</i>
Nuclear.....	<b>198.2</b>	<b>191.3</b>	<b>209.0</b>	<b>190.1</b>	<b>192.3</b>	<i>185.4</i>	<i>206.4</i>	<i>192.5</i>	<i>197.4</i>	<i>193.4</i>	<i>208.1</i>	<i>193.2</i>	<b>788.5</b>	<i>776.7</i>	<i>792.1</i>
Hydroelectric.....	<b>63.9</b>	<b>67.3</b>	<b>62.1</b>	<b>63.3</b>	<b>65.9</b>	<i>69.1</i>	<i>67.3</i>	<i>54.5</i>	<i>69.3</i>	<i>83.0</i>	<i>69.8</i>	<i>67.7</i>	<b>256.6</b>	<i>256.8</i>	<i>289.8</i>
Other <sup>b</sup> .....	<b>15.1</b>	<b>16.6</b>	<b>16.2</b>	<b>15.5</b>	<b>15.1</b>	<i>19.8</i>	<i>20.9</i>	<i>19.7</i>	<i>19.6</i>	<i>21.4</i>	<i>21.1</i>	<i>19.9</i>	<b>63.5</b>	<i>75.5</i>	<i>82.0</i>
Subtotal.....	<b>924.9</b>	<b>921.0</b>	<b>1035.8</b>	<b>912.0</b>	<b>920.0</b>	<i>924.5</i>	<i>1098.3</i>	<i>942.8</i>	<i>961.8</i>	<i>957.2</i>	<i>1109.2</i>	<i>970.1</i>	<b>3793.6</b>	<i>3885.6</i>	<i>3998.2</i>
Other Sectors <sup>c</sup> .....	<b>40.0</b>	<b>39.4</b>	<b>41.7</b>	<b>38.7</b>	<b>39.4</b>	<i>39.8</i>	<i>43.0</i>	<i>40.7</i>	<i>40.3</i>	<i>40.4</i>	<i>42.9</i>	<i>41.1</i>	<b>159.8</b>	<i>162.9</i>	<i>164.7</i>
Total Generation.....	<b>964.9</b>	<b>960.5</b>	<b>1077.4</b>	<b>950.6</b>	<b>959.4</b>	<i>964.3</i>	<i>1141.3</i>	<i>983.5</i>	<i>1002.0</i>	<i>997.6</i>	<i>1152.1</i>	<i>1011.2</i>	<b>3953.4</b>	<i>4048.5</i>	<i>4162.9</i>
Net Imports.....	<b>-0.9</b>	<b>0.8</b>	<b>7.3</b>	<b>4.1</b>	<b>5.5</b>	<i>5.0</i>	<i>4.9</i>	<i>2.7</i>	<i>1.2</i>	<i>0.3</i>	<i>2.7</i>	<i>-0.1</i>	<b>11.3</b>	<i>18.1</i>	<i>4.1</i>
Total Supply.....	<b>964.0</b>	<b>961.3</b>	<b>1084.7</b>	<b>954.8</b>	<b>964.9</b>	<i>969.3</i>	<i>1146.2</i>	<i>986.2</i>	<i>1003.3</i>	<i>997.8</i>	<i>1154.8</i>	<i>1011.1</i>	<b>3964.7</b>	<i>4066.5</i>	<i>4167.0</i>
Losses and Unaccounted for <sup>d</sup> .....	<b>47.1</b>	<b>67.4</b>	<b>63.3</b>	<b>59.9</b>	<b>41.1</b>	<i>67.3</i>	<i>67.3</i>	<i>61.9</i>	<i>42.8</i>	<i>69.3</i>	<i>67.7</i>	<i>63.5</i>	<b>237.8</b>	<i>237.7</i>	<i>243.3</i>
Demand															
Retail Sales <sup>e</sup>															
Residential.....	<b>339.1</b>	<b>288.5</b>	<b>369.2</b>	<b>296.7</b>	<b>337.1</b>	<i>292.1</i>	<i>406.6</i>	<i>306.3</i>	<i>357.8</i>	<i>302.1</i>	<i>405.6</i>	<i>316.4</i>	<b>1293.4</b>	<i>1342.1</i>	<i>1381.9</i>
Commercial <sup>f</sup> .....	<b>288.3</b>	<b>301.5</b>	<b>339.7</b>	<b>299.0</b>	<b>293.6</b>	<i>307.1</i>	<i>358.0</i>	<i>308.8</i>	<i>301.1</i>	<i>316.8</i>	<i>362.3</i>	<i>316.9</i>	<b>1228.5</b>	<i>1267.4</i>	<i>1297.1</i>
Industrial.....	<b>243.4</b>	<b>258.5</b>	<b>264.5</b>	<b>254.5</b>	<b>247.4</b>	<i>256.9</i>	<i>264.7</i>	<i>262.1</i>	<i>254.9</i>	<i>262.8</i>	<i>269.5</i>	<i>266.5</i>	<b>1020.9</b>	<i>1031.1</i>	<i>1053.8</i>
Transportation <sup>g</sup> .....	<b>1.9</b>	<b>1.8</b>	<b>2.0</b>	<b>1.9</b>	<b>2.2</b>	<i>2.0</i>	<i>2.2</i>	<i>2.1</i>	<i>2.3</i>	<i>2.2</i>	<i>2.4</i>	<i>2.3</i>	<b>7.7</b>	<i>8.5</i>	<i>9.2</i>
Subtotal.....	<b>872.7</b>	<b>850.3</b>	<b>975.4</b>	<b>852.1</b>	<b>880.3</b>	<i>858.0</i>	<i>1031.4</i>	<i>879.3</i>	<i>916.1</i>	<i>883.9</i>	<i>1039.7</i>	<i>902.2</i>	<b>3550.5</b>	<i>3649.0</i>	<i>3742.0</i>
Other Use/Sales <sup>h</sup> .....	<b>44.2</b>	<b>43.5</b>	<b>46.0</b>	<b>42.7</b>	<b>43.5</b>	<i>43.9</i>	<i>47.5</i>	<i>44.9</i>	<i>44.4</i>	<i>44.6</i>	<i>47.4</i>	<i>45.3</i>	<b>176.4</b>	<i>179.8</i>	<i>181.8</i>
Total Demand.....	<b>916.9</b>	<b>893.9</b>	<b>1021.3</b>	<b>894.8</b>	<b>923.8</b>	<i>901.9</i>	<i>1078.9</i>	<i>924.2</i>	<i>960.5</i>	<i>928.6</i>	<i>1087.1</i>	<i>947.6</i>	<b>3726.9</b>	<i>3828.8</i>	<i>3923.7</i>

<sup>a</sup> Electric utilities and independent power producers.

<sup>b</sup> "Other" includes generation from other gaseous fuels, geothermal, wind, wood, waste, and solar sources.

<sup>c</sup> Electricity generation from combined heat and power (CHP) facilities and electricity-only plants in the industrial and commercial sectors.

<sup>d</sup> Balancing item, mainly transmission and distribution losses.

<sup>e</sup> Total of retail electricity sales by electric utilities and power marketers.

<sup>f</sup> Commercial sector, including public street and highway lighting, interdepartmental sales and other sales to public authorities. These items, along with transportation sector; electricity were formerly included in an "other" category, which is no longer provided. (See EIA's *Monthly Energy Review*, Table 7.5, for a comparison of "Old Basis" and "New Basis" electricity retail sales.) Through 2003, data are estimated as the sum of "Old Basis Commercial" and approximately 95 percent of "Old Basis Other"; beginning in 2004, data are actual survey data.

<sup>g</sup> Transportation sector, including sales to railroads and railways. Through 2003, data are estimated as approximately 5 percent of "Old Basis Other"; beginning in 2004, data are actual survey data.

<sup>h</sup> Defined as the sum of facility use of onsite net electricity generation plus direct sales of power by industrial- or commercial-sector generators to third parties, reported annually in Table 7.5 of the *Monthly Energy Review (MER)*. Data for 2003 are estimates.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Regional Short-Term Energy Model.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Electric Power Annual*, DOE/EIA-0226 and *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Regional Short-Term Energy Model database, and Office of Coal, Nuclear, Electric and Alternate Fuels (hydroelectric and nuclear).